

# Sachin R Jambawalikar

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,862  
citations

304368

22  
h-index

276539

41  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-Supervised Deep Learning for Multi-Tissue Segmentation from Multi-Contrast MRI. Journal of Signal Processing Systems, 2022, 94, 497-510.	1.4	9
2	Feasibility of ultrashort echo time (UTE) T2* cartilage mapping in the hip: a pilot study. Acta Radiologica, 2022, 63, 760-766.	0.5	4
3	Deep learning prediction of axillary lymph node status using ultrasound images. Computers in Biology and Medicine, 2022, 143, 105250.	3.9	17
4	Dosimetric assessment of patient dose calculation on a deep learning-based synthesized computed tomography image for adaptive radiotherapy. Journal of Applied Clinical Medical Physics, 2022, 23, e13595.	0.8	7
5	High-resolution simulation of B <sub>0</sub> field conditions in the human heart from segmented computed tomography images. NMR in Biomedicine, 2022, 35, e4739.	1.6	1
6	Integrating Eye Tracking and Speech Recognition Accurately Annotates MR Brain Images for Deep Learning: Proof of Principle. Radiology: Artificial Intelligence, 2021, 3, e200047.	3.0	10
7	Deep Learning of Computed Tomography Virtual Wedge Resection for Prediction of Histologic Usual Interstitial Pneumonitis. Annals of the American Thoracic Society, 2021, 18, 51-59.	1.5	22
8	COVID-19 neuropathology at Columbia University Irving Medical Center/New York Presbyterian Hospital. Brain, 2021, 144, 2696-2708.	3.7	254
9	The International Workshop on Osteoarthritis Imaging Knee MRI Segmentation Challenge: A Multi-Institute Evaluation and Analysis Framework on a Standardized Dataset. Radiology: Artificial Intelligence, 2021, 3, e200078.	3.0	46
10	Multi-site, multi-platform comparison of MRI T1 measurement using the system phantom. PLoS ONE, 2021, 16, e0252966.	1.1	20
11	Weakly Supervised Deep Learning Approach to Breast MRI Assessment. Academic Radiology, 2021, , .	1.3	12
12	Contrast-Free Detection of Focused Ultrasound-Induced Blood-Brain Barrier Opening Using Diffusion Tensor Imaging. IEEE Transactions on Biomedical Engineering, 2021, 68, 2499-2508.	2.5	4
13	3D Isotropic Super-resolution Prostate MRI Using Generative Adversarial Networks and Unpaired Multiplane Slices. Journal of Digital Imaging, 2021, 34, 1199-1208.	1.6	5
14	Potential Role of Convolutional Neural Network Based Algorithm in Patient Selection for DCIS Observation Trials Using a Mammogram Dataset. Academic Radiology, 2020, 27, 774-779.	1.3	5
15	Deep semantic lung segmentation for tracking potential pulmonary perfusion biomarkers in chronic obstructive pulmonary disease (COPD): The multi-ethnic study of atherosclerosis COPD study. Journal of Magnetic Resonance Imaging, 2020, 51, 571-579.	1.9	15
16	Convolutional Neural Network Detection of Axillary Lymph Node Metastasis Using Standard Clinical Breast MRI. Clinical Breast Cancer, 2020, 20, e301-e308.	1.1	38
17	A novel CNN algorithm for pathological complete response prediction using an I-SPY TRIAL breast MRI database. Magnetic Resonance Imaging, 2020, 73, 148-151.	1.0	28
18	The role of initial chest X-ray in triaging patients with suspected COVID-19 during the pandemic. Emergency Radiology, 2020, 27, 617-621.	1.0	49

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19	Radiomics of MRI for pretreatment prediction of pathologic complete response, tumor regression grade, and neoadjuvant rectal score in patients with locally advanced rectal cancer undergoing neoadjuvant chemoradiation: an international multicenter study. <i>European Radiology</i> , 2020, 30, 6263-6273.	2.3	69
20	Surface Point Cloud Ultrasound with Transcranial Doppler: Coregistration of Surface Point Cloud Ultrasound with Magnetic Resonance Angiography for Improved Reproducibility, Visualization, and Navigation in Transcranial Doppler Ultrasound. <i>Journal of Digital Imaging</i> , 2020, 33, 930-936.	1.6	4
21	A threshold-based method to predict thyroid nodules on scintigraphy scans. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 015019.	0.6	1
22	Channel width optimized neural networks for liver and vessel segmentation in liver iron quantification. <i>Computers in Biology and Medicine</i> , 2020, 122, 103798.	3.9	11
23	Convolutional Neural Network Based Breast Cancer Risk Stratification Using a Mammographic Dataset. <i>Academic Radiology</i> , 2019, 26, 544-549.	1.3	42
24	Fully Automated Convolutional Neural Network Method for Quantification of Breast MRI Fibroglandular Tissue and Background Parenchymal Enhancement. <i>Journal of Digital Imaging</i> , 2019, 32, 141-147.	1.6	30
25	Convolutional Neural Network Using a Breast MRI Tumor Dataset Can Predict Oncotype Dx Recurrence Score. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 518-524.	1.9	46
26	Predicting Breast Cancer Molecular Subtype with MRI Dataset Utilizing Convolutional Neural Network Algorithm. <i>Journal of Digital Imaging</i> , 2019, 32, 276-282.	1.6	73
27	Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCE-MRI derived biomarkers in multicenter oncology trials. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, i.	1.9	5
28	Eye Tracking for Deep Learning Segmentation Using Convolutional Neural Networks. <i>Journal of Digital Imaging</i> , 2019, 32, 597-604.	1.6	37
29	Accuracy of Distinguishing Atypical Ductal Hyperplasia From Ductal Carcinoma In Situ With Convolutional Neural Network-Based Machine Learning Approach Using Mammographic Image Data. <i>American Journal of Roentgenology</i> , 2019, 212, 1166-1171.	1.0	17
30	Segmentation of Brain Tumors Using DeepLabv3+. <i>Lecture Notes in Computer Science</i> , 2019, , 154-167.	1.0	21
31	3D Printing and Heart Failure. <i>JACC: Heart Failure</i> , 2019, 7, 132-142.	1.9	24
32	Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCE-MRI derived biomarkers in multicenter oncology trials. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e101-e121.	1.9	241
33	Prior to Initiation of Chemotherapy, Can We Predict Breast Tumor Response? Deep Learning Convolutional Neural Networks Approach Using a Breast MRI Tumor Dataset. <i>Journal of Digital Imaging</i> , 2019, 32, 693-701.	1.6	93
34	Advanced MR Imaging of the Temporal Bone. <i>Neuroimaging Clinics of North America</i> , 2019, 29, 197-202.	0.5	7
35	Convolutional Neural Networks for the Detection and Measurement of Cerebral Aneurysms on Magnetic Resonance Angiography. <i>Journal of Digital Imaging</i> , 2019, 32, 808-815.	1.6	68
36	Deep Learning for Functional Brain Connectivity: Are We There Yet?. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019, , 347-365.	0.9	3

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37	Cross-Modality Knowledge Transfer for Prostate Segmentation from CT Scans. Lecture Notes in Computer Science, 2019, , 63-71.	1.0	12
38	Multicenter Repeatability Study of a Novel Quantitative Diffusion Kurtosis Imaging Phantom. Tomography, 2019, 5, 36-43.	0.8	13
39	Repeatability of Quantitative Diffusion-Weighted Imaging Metrics in Phantoms, Head-and-Neck and Thyroid Cancers: Preliminary Findings. Tomography, 2019, 5, 15-25.	0.8	20
40	Axillary Lymph Node Evaluation Utilizing Convolutional Neural Networks Using MRI Dataset. Journal of Digital Imaging, 2018, 31, 851-856.	1.6	56
41	Cardiac-Specific Conversion Factors to Estimate Radiation Effective Dose From Dose-Length Product in Computed Tomography. JACC: Cardiovascular Imaging, 2018, 11, 64-74.	2.3	111
42	Fusion of aerial lidar and images for road segmentation with deep CNN. , 2018, , .		11
43	Frontispiece: Insulin Hexamer-Caged Gadolinium Ion as MRI Contrast-agent. Chemistry - A European Journal, 2018, 24, .	1.7	0
44	Predicting Post Neoadjuvant Axillary Response Using a Novel Convolutional Neural Network Algorithm. Annals of Surgical Oncology, 2018, 25, 3037-3043.	0.7	26
45	Insulin Hexamer-Caged Gadolinium Ion as MRI Contrast-agent. Chemistry - A European Journal, 2018, 24, 10646-10652.	1.7	4
46	Estimating Effective Dose of Radiation From Pediatric Cardiac CT Angiography Using a 64-MDCT Scanner: New Conversion Factors Relating Dose-Length Product to Effective Dose. American Journal of Roentgenology, 2017, 208, 585-594.	1.0	20
47	Can diffusion-weighted imaging serve as a biomarker of fibrosis in pancreatic adenocarcinoma?. Journal of Magnetic Resonance Imaging, 2017, 46, 393-402.	1.9	24
48	Pharmacokinetic analysis and drug delivery efficiency of the focused ultrasound-induced blood-brain barrier opening in non-human primates. Magnetic Resonance Imaging, 2017, 37, 273-281.	1.0	26
49	Calibration and error analysis of metal-oxide-semiconductor field-effect transistor dosimeters for computed tomography radiation dosimetry. Medical Physics, 2017, 44, 6589-6602.	1.6	4
50	Investigating the mechanical function of the cervix during pregnancy using finite element models derived from high-resolution 3D MRI. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 404-417.	0.9	69
51	TU-G-103-09: Measurement of Planar Average Equilibrium Dose of CT. Medical Physics, 2013, 40, 460-460.	1.6	2
52	SU-E-I-110: Minimized Pediatric Dose in Direct Radiography (DR). Medical Physics, 2012, 39, 3650-3650.	1.6	0
53	SU-E-I-111: Susceptibility Weighted Imaging (SWI) Software for Post-Processing of SWI Data. Medical Physics, 2012, 39, 3641-3641.	1.6	0
54	SU-E-I-04: Texture Feature Based CAD for Breast Cancer Detection. Medical Physics, 2011, 38, 3396-3396.	1.6	2

#	ARTICLE	IF	CITATIONS
55	SU-E-I-13: A Model for CT Contrast Agent Evaluation. Medical Physics, 2011, 38, 3398-3398.	1.6	0
56	SU-E-I-124: Diffusion Tensor Imaging of the Sciatic Nerve at 3T. Medical Physics, 2011, 38, 3424-3424.	1.6	0
57	Diffusion tensor imaging of peripheral nerves. Skeletal Radiology, 2010, 39, 1073-1079.	1.2	67
58	A Note on Approximate Minimum Volume Enclosing Ellipsoid of Ellipsoids. , 2008, , .		10
59	Dynamic infrared imaging for the detection of malignancy. Physics in Medicine and Biology, 2004, 49, 3105-3116.	1.6	42